

Wooley FMU

The Wooley FMU is 95,148 acres. The majority of lands are congressionally designated wilderness. This FMU is entirely within federal DPA.

Protection Responsibility	Acres	Percent of FMU
KNF	95,148	100%
Wildland Urban Interface	Acres	Percent of FMU
Community @ Risk	-	0%
Defense Zone	-	0%
Threat Zone	-	0%

3.2.2 Guidance

The LMP guidance for Management Areas that are located in this FMU is listed below.

Management Area	Acres	Percent of FMU
Wilderness	91,827	97%
Late Successional Reserve	3,161	3%
TES Species Habitat	1	<1%
Riparian Reserve	2	<1%
Partial Retention VQO	6	<1%
No Data	3	<1%
Private Property	148	<1%

Research Natural Areas

Although no acres are listed in the table, three RNAs are in this FMU. A portion of the Haypress Meadows RNA is located on the western boundary. This RNA represents the red fir habitat type. A portion of the Marble Caves RNA, representing limestone geology, is located on the northern boundary. The Bridge Creek RNA, which represents Pacific Douglas-fir, is located in the western portion of the FMU.

Description

Research Natural Areas are examples of important vegetative, aquatic, and geologic ecosystems of scientific interest and importance, and serve as a baseline for comparing ecological changes. Conditions have developed with little or no influence from human activities. They are managed to preserve naturally functioning plant and animal communities. A network of RNAs has been established nationally.

Management Goals

Manage RNAs for the “maintenance of unmodified conditions and natural ecological processes” (FSM 4063.3).

Preclude impacts from human activities that would modify the value of the RNA. This is to maintain the area's value as a significant contribution to the Forest's biological and physical diversity and also as a gene pool for plant and animal species.

Promote and use RNAs for non-manipulative research and baseline or control sites for Forest management comparisons. Form partnerships with university and research communities.

Desired Future Condition

RNAs exist as examples of healthy ecological communities. Human influences are minimal. Management actions such as prescribed fire may be permitted if they further the management goals of the RNA. Non-manipulative research, monitoring and educational activities are ongoing within RNAs. Knowledge and information gained from RNA studies are incorporated into Forest management.

Fire Management Standards and Guides

MA1-19 Extinguish, as quickly as possible, all human-caused wildfires that endanger the values for which the RNA was established. Use "light hand" fire suppression tactics that cause the least amount of soil disturbance in the area. Allow fires to burn if they are within a prescription designated to accomplish objectives of the specific RNA as prescribed in the RNA implementation schedule.

Implementation schedules should address the sensitivity of each RNA to fire and establish specific guidelines for its use or control. Fire may be used to preserve a vegetative type when thought necessary in the implementation schedule.

MA1-20 Rehabilitate all suppression-related ground disturbance within a RNA using techniques appropriate to overall management goals of the RNA.

Wilderness

The vast majority of this FMU is within the Marble Mountain Wilderness. There are several improvements and high public use areas within this FMU that are listed in section 3.2.3.4 (Resources).

Description

These areas are mostly pristine landscapes, managed as vestiges of a wild America. Wilderness resources provide specific values such as solitude, physical and mental challenges, and opportunities for scientific study and primitive recreation.

Management Goals

Manage for wilderness characteristics, natural conditions, and ecological processes within each wilderness.

Provide recreationists a primitive and semi-primitive, non-motorized recreation opportunity.

Manage for high air quality.

Utilize forage resources consistent with the 1964 Wilderness Act, as amended.

Desired Future Condition

Each wilderness looks natural, with human disturbances substantially unnoticeable. Ecological processes, including fire, have shaped the vegetative patterns and condition. Some evidence of human influence consistent with the Wilderness Act may be present due to valid mining claims, livestock grazing, and recreational use.

Standards and Guidelines

MA2-1 To better emphasize wilderness values, manage each wilderness as an integrated resource with inseparable ecosystem parts.

- MA2-2 Minimize the use of motorized equipment and mechanical transport of materials and personnel within wilderness. Carefully analyze the need for motorized equipment and obtain prior documented approval. Schedule such work to avoid disturbance to the public.
- MA2-3 Wilderness values shall predominate if resource conflicts are identified.
- MA2-7 Naturally occurring ecological processes should predominate within wilderness ecosystems.
- MA2-8 Forest Service management activities, necessary to perpetuate a Federally listed T&E species, may be allowed with proper approvals.
- MA2-16 Manage smoke from prescribed natural fires (PNF) as a component of the wilderness. Manage prescribed natural fires and prescribed burns (ignited by humans) to reduce future smoke emissions. Coordinate with the proper State and local agencies to meet air quality regulations (see Forest-wide Standards and Guidelines for Air Quality, Fire Management).
- MA2-55 All lightning-started fires will be PNF; unless the fire does not meet the goals and objectives (it then will be declared a wildfire). Permit lightning-caused fires to play their ecological role, as nearly as possible, within the wilderness.
- MA2-56 Each PNF will have a PNF Burn Plan prepared within 48 hours of discovery. Review the Burn Plan daily to assure validity based on current and projected conditions.
- MA2-57 Coordinate fire management actions with forests that share management of the wildernesses.
- MA2-58 A Wilderness Fire Coordinator (WFC) may be established to gather and send out information and aid to the National Forests and Region. The WFC will set priorities for on-going fires within the wilderness areas. The WFC should be at least Nationally qualified as a Prescribed Fire Manager. As a minimum, the WFC should have 1 Fire Information Officer and a Wilderness Resource Advisor.
- MA2-59 Consider all person-caused wildland fires (not management lighted prescribed fires) as wildland fires and use the appropriate suppression response.
- MA2-60 Reduce to an acceptable level the risks and consequences of a wildland fire within or escaping from the wilderness. Assessments of consequences will emphasize potential impacts on residential intermixes, mixed or adjacent landowners, Endangered or Threatened species, etc.
- MA2-61 Permit planned ignitions or management-lighted prescribed fire. This will allow fire to return in a more natural role so managers can select meteorological and fuel situations for future prescribed natural fire. Wilderness fire policy permits the use of management-lighted fires.
- MA2-62 Suppression of wildland fire will use appropriate suppression response and the Minimum Impact Suppression Techniques as outlined in the Forest-wide Fire and Fuels Management Standards and Guidelines.
- MA2-63 Fire prevention will be an important practice within wilderness. Fire prevention activities, such as signing, will concentrate on entrance portals to not diminish the visitor's wilderness experience. Visitor contacts within the wilderness will occur when there is a threat to wilderness preservation or resource protection.
- MA2-64 Develop a PNF implementation schedule. For all the resources, develop the decision flow charts and prescription parameters that meet the resource standards and guidelines.

Emergency use of motorized equipment and mechanical transport within the wilderness must be consistent with the delegated authority and approval process outlined by the Forest Supervisor in the letter dated June 2, 2009 (2320/5130). It is also expected that a Wilderness Resource Advisor (WRA) will be assigned to every wilderness fire.

When emergency use of motorized equipment is granted, the authorization must be documented using the [Emergency Wilderness Mechanized Transport/Motorized Equipment Use Authorization](#) form.

BAER is only allowed in wilderness if (1) necessary to prevent an unnatural loss of the wilderness resource or (2) to protect life, property, and other resource values outside of wilderness. Normally use hand tools and equipment to install selected land and channel treatments (FSM 2323.43b)

Special Habitat

TES species habitat in this FMU consists of portions of the Ten Bear and Steinacher LSRs and two peregrine falcon management areas. Both falcon management areas are located on the southern boundary of the FMU. Only one acre of the management area is within the FMU, but the proximity to the nest site and potential water sources make this worthy of note. The location of both sites are between Steinacher and Tom Payne Creeks.

Description

This management area includes the following types of special habitat: Late-Successional Reserves, which are designed to provide for the viability needs of all late-successional species in an ecosystem approach; other lands are designated by the U.S. Fish and Wildlife Service (USFWS) and the Forest as habitat needed to support the recovery of Federally listed T&E wildlife populations and habitat for the Sensitive plant, *Calochortus persistens* (Siskiyou mariposa lily).

Each of the T&E species requires different habitat. When the habitat of these species overlap, the management priority shall be placed on the species with the most specialized habitat needs (that is, the rarest occurring habitat).

Management actions proposed for these areas will be consistent with the recommendations for habitat management provided in the USFWS Recovery Plans for these species and the Forest Service direction applicable to the recovery plan. Management Goals

Provide habitat conditions and management activities that contribute to the recovery of Federally listed T&E species and to Sensitive species found on the Forest. Emphasize the recovery of each species, by managing for quality habitat, consistent with ecological processes.

Provide for more than the minimum number of bald eagle and peregrine falcon pairs established by the Recovery Plans and disaggregated to the Forest.

Meet the habitat requirements as outlined in the *Record of Decision (ROD) for Amendments to Forest Service and Bureau of Land Management Planning Documents Within the Range of the Northern Spotted Owl* signed April 13, 1994 and the *Final Supplemental Environmental Impact Statement on Management of Habitat for Late Successional and Old-Growth Forest Related Species Within the Range of the Northern Spotted Owl* dated February 1994 (FSEIS).

Late Successional Reserves**Description**

LSRs have been designated based on 5 elements: (1) areas mapped as part of an interacting reserve system; (2) Late-successional/Old Growth 1 and 2 areas within Marbled Murrelet Zone 1 and certain owl additions, mapped by the Scientific Panel on Late-Successional Forest Ecosystems (1991); (3) sites occupied by marbled murrelets; (4) known owl activity centers; and (5) Protection Buffers for specific endemic species identified by the Scientific Analysis Team (1993). Additional areas may be included as species are identified as provided for in the survey and management standards and guidelines.

Management Goals

The objective of LSRs is to protect and enhance conditions of late-successional and "old growth" forest ecosystems, which serve as habitat for late-successional and "old growth"-related species including the northern spotted owl. These reserves are designed to maintain a functional, interacting, late-successional and "old growth" forest ecosystem.

Desired Future Condition

The characteristics of individual areas vary according to the dominant vegetative species, site class, topography and other site factors. Well-dispersed and continuous areas of multi-layered forests with high quality habitat characteristics and attributes are common: (1) under optimum conditions on north slopes, (2) at high elevations, and (3) in cool, moist areas. The overstory trees are large diameter, tall and have obvious signs of decadence. Some are broken-topped, have mistletoe, or have platforms of branches capable of holding organic materials that serve as a nest. Snags are common and fallen trees visible on the ground, providing for adequate prey populations. Within true fir habitats or where hardwoods occur, mid-seral stage forested areas provide suitable habitat as well. Although overstory trees are smaller and stands are less dense, important structural elements, such as snags and nesting platforms, are present. South slopes and drier areas are more open due to frequent natural fires.

Exceptions

RNAs and activities required by recovery plans for listed T&E species take precedence over LSR standards and guidelines.

Management Assessment for Late-Successional Reserves

Management assessments have been completed for LSRs and 100-acre LSRs throughout the Forest. These LSR assessments include: (1) a history and inventory of overall vegetative conditions within the reserve, (2) a list of identified late-successional associated species known to exist within the LSR and information on their locations, (3) a history and description of current land uses within the reserve, (4) a fire management plan, (5) criteria for developing appropriate treatments, (6) identification of specific areas that could be treated under those criteria, (7) a proposed implementation schedule tiered to higher order (for example, larger scale) plans, and (8) proposed monitoring and evaluation components to help evaluate if future activities are carried out as intended and achieve desired results. The Regional Ecosystem Office (REO) has reviewed these LSR assessments. Activities that have been reviewed by the REO have been prioritized for each LSR. LSRs have also been prioritized by activity needs. Refer to the Forest-wide LSR assessment, Taylor, Dillon, Crapo/Little North Fork, and Goosenest LSR assessments. Also, refer to Appendix K, LSR Fire Management Plan, located at the end of this document.

Standards and Guidelines

MA5-35 Each LSR will be included in fire management planning as part of watershed analysis. Fire suppression in LSRs will utilize minimum impact suppression methods in accordance with guidelines for reducing risks of large-scale disturbances. Plans for wildfire suppression will emphasize maintaining late-successional habitat. During actual fire suppression activities, fire managers will consult with resource specialists (for example, botanists, fisheries and

wildlife biologists, hydrologists) familiar with the area, these standards and guidelines and their objectives, to assure that habitat damage is minimized. Until a fire management plan is completed for LSRs, suppress wildfire to avoid loss of habitat in order to maintain future management options.

- MA5-36 In LSRs, a specific fire management plan will be prepared prior to any habitat manipulation activities. This plan, prepared during watershed analysis or as an element of province-level planning or a LSR assessment, should specify how hazard reduction and other prescribed fire applications will meet the objectives of the LSR. Until the plan is approved, proposed activities will be subject to review by REO. REO may develop additional guidelines that would exempt some activities from review. In all LSRs, watershed analysis will provide information to determine the amount of CWD to be retained when applying prescribed fire.
- MA5-37 In LSRs, the goal of wildfire suppression is to limit the size of all fires. When watershed analysis, province-level planning, or a LSR assessment is completed, some natural fires may be allowed to burn under prescribed conditions. Rapidly extinguishing smoldering CWD and duff should be considered to preserve these ecosystem elements.
- MA5-38 Utilize an aggressive prescribed fire program to maintain long-term habitat quality and ecological processes within LSRs once LSR assessments and National Environmental Protection Act (NEPA) analysis are completed and site-specific decisions are made. Specific fire prescriptions shall be used until PNF can be effectively used. The use of PNF is outlined in the Wilderness Fire Management S&Gs. Those S&Gs also shall apply to LSRs.
- MA5-39 Report wildfires within activity centers to the appropriate District and/or Forest biologist. The biologist shall determine the need to contact the USFWS. Report fires that escape initial attack to the USFWS. Motorized and heavy equipment may be permitted by the Incident Commander to assure habitat protection.
- MA5-40 Wildfire prevention should be critical to habitat maintenance. During critical fire danger periods, increased prevention efforts should be undertaken, especially in high use recreation areas within LSRs and in areas adjacent to populated areas.

Peregrine Falcon

Description

Areas to be managed for peregrine falcon include nest sites and protective zones around nest sites. These nest sites occur on cliffs, generally near riparian habitats. A Peregrine Falcon Recovery Plan was approved in August 1982.

Management Goals

Provide habitat that will contribute to the recovery of the Pacific peregrine falcon. Management activities consistent with the USFWS's approved Recovery Plan are expected to accomplish this goal.

Manage peregrine habitat on the Forest to protect and maintain nesting and foraging sites.

Desired Future Condition

Peregrine falcons are nesting on tall cliffs across the Forest. Adjacent habitat areas, especially riparian areas, provide the nesting birds with an adequate supply of prey species. Human disturbance during the breeding season is infrequent.

Standard and Guidelines

- MA5-76 Report wildfires within the primary protection areas to the appropriate District and/or Forest biologist. The biologist shall be responsible for contacting the USFWS, if appropriate.

- MA5-77 Implement the appropriate suppression response and minimum impact suppression techniques.
- MA5-78 Design fire prescriptions to maintain or improve peregrine falcon habitat and restore ecological processes.

Partial Retention Visual Quality Objective

Description

This prescription applies to those areas identified with a Partial Retention VQO. These areas typically are either in the foreground of moderate visual sensitivity roads, trails, etc., or the middleground of high sensitivity roads.

Scattered throughout the Forest, these areas are primarily in the middle distances (1/2 to 3 miles) from selected roads and trails.

Management Goal

Provide an attractive, forested landscape where management activities remain visually subordinate to the character of the landscape. Manage human activities so they are subordinate to the character of the landscape.

Maintain stand health as well as resilience to wildland fire, insect, disease, and other damage.

Desired Future Condition

Areas managed to meet a Partial Retention VQO may show evidence of management activities but are visually subordinate to the characteristic landscape in form, line, color, or texture of landscape elements. Views from visually important roads and trails appear forested and provide a nearly natural looking landscape.

Lands capable of growing coniferous vegetation are forested.

Standards and Guidelines

- MA15-15 Use prescribed fire to reduce natural fuel buildups, to treat post harvest fuels and to influence vegetative development or composition when there is no market for the slash or down wood.
- MA15-16 Design fuelbreaks to mimic the natural characteristics of the area. On steep ground, design units that are operationally feasible and effective to treat fuels.

3.2.3 FMU Characteristics

Completion of this section is ongoing

3.2.3.1 Safety

3.2.3.2 Physical

This FMU consists of steep terrain, with an elevation range from XXXXXX feet.

3.2.3.3 Biological

This FMU contains anadromous fisheries habitat, LSRs, TES species habitats, RNA and SIA.

Vegetation

Special Habitat

Progeny Sites

3.2.3.4 Resources

Feature	Type	Latitude	Longitude
Smith Fork Bridge	Bridge	41 30.81'	-123 20.03'
Fowler Cabin	Cabin	41 26.53'	-123 21.18'
Haypress Creek Bridge	Bridge	41 25.98'	-123 22.74'
Hoover Cabin	Cabin	41 25.75'	-123 22.65'
Gates Creek Bridge	Bridge	41 24.86	-123 23.71'
Big Elk Lake	High Public Use	41 32.75'	-123 13.38'
Hancock Lake	High Public Use	41 25.24'	-123 13.45'
Little Hancock Lake	High Public Use	41 24.93'	-123 13.42'

3.2.4 FMU Fire Environment

Completion of this section is ongoing

3.2.4.1 Fire Behavior**3.2.3.2 Weather**